

Application No.: 09/896,367

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A spindle motor comprising a shaft supported from a base and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet affixed to a back iron disposed radially adjacent to the stator coils, the back iron further supporting a flux shield extending substantially across the entire width of the motor magnet and intervening between the motor magnet and the base, the flux shield being formed of a magnetic material for capturing stray magnetic flux from the motor magnet.
2. (Original) A motor as claimed in claim 1 wherein the shield is comprised of steel.
3. (Original) A motor as claimed in claim 1 wherein the shield is comprised of mu metal.
4. (Original) A motor as claimed in claim 1 wherein the shield is integrated with the back iron.
5. (Previously Presented) A motor as claimed in claim 1 wherein the shield is glued to the axial end of the magnet facing the base.
6. (Previously Presented) A motor as claimed in claim 1 wherein the shield extends the entire width of the magnet but is limited to extending the radial width of the magnet.

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7. (Previously Presented) A motor as claimed in claim 1 wherein the base defines a well, the magnet and back iron extending axially from a lower surface of the rotor and being axially below the discs so that the stator and magnet and back iron of the motor are all axially located below the hub and the discs supported by the hub.

8. (Previously Presented) A spindle motor for a disc drive comprising a shaft supported from a base and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet affixed to a back iron disposed radially adjacent to the stator coils, and means for capturing stray magnetic flux from the motor magnet, said means being supported from the back iron and being formed of a magnetic material.

9. (Previously Presented) A spindle motor comprising a shaft supported from a base and supporting on the outer diameter thereof a stator comprising a plurality of laminations supporting coils which are sequentially energized to cause rotation of a hub supporting one or more discs for rotation in a plane axially over the stator, the hub supporting a motor magnet affixed to a back iron disposed radially adjacent to the stator coils and rotating over the base, the back iron further supporting a flux shield extending substantially across the entire width of the motor magnet and intervening between the motor magnet and the base and rotating with the motor magnet, the flux shield being formed of a magnetic material for capturing stray magnetic flux from the motor magnet.

10. (Original) A motor as claimed in claim 9 wherein the shield is comprised of steel.

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11. (Original) A motor as claimed in claim 9 wherein the shield is comprised of mu metal.

12. (Original) A motor as claimed in claim 9 wherein the shield is integrated with the back iron.

13. (Previously Presented) A motor as claimed in claim 9 wherein the shield is glued to the axial end of the magnet facing the base.

14. (Previously Presented) A motor as claimed in claim 12 wherein the shield extends the entire width of the magnet but is limited to extending the radial width of the magnet.

15. (Original) A motor as claimed in claim 14 wherein the shield is comprised of steel.

16. (Previously Presented) A motor as claimed in claim 1 wherein the flux shield is spaced from the magnet.

17. (Previously Presented) The motor as claimed in claim 8 wherein the means for capturing stray magnetic flux from the motor magnet is spaced from the magnet.

18. (Previously Presented) The motor as claimed in claim 9 wherein the flux shield is spaced from the magnet.

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